

II

LONGBENTON

URBAN DISTRICT COUNCIL

*County of Northumberland*



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# ANNUAL REPORTS

FOR THE YEAR

**1971**

*of*

G. McN. CUBIE

M.B., Ch.B., D.P.H.

*Medical Officer of Health*

*and*

R. W. THIRKELL

M.A.P.H.I., M.R.S.H.

*Chief Public Health Inspector*



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Longbenton Urban District Council

1. PUBLIC HEALTH COMMITTEE

CHAIRMAN: Councillor Mrs. A. Hudson

VICE-CHAIRMAN: Councillor Mrs. D. T. Warner

COUNCILLORS: Mrs. E. Armstrong, J. Bamborough, J.P.,  
B. Brennan, J.P., T.H. Bryson, J. Conway,  
Mrs. I.V. Cummings, S. Forster, D.B. Hogg,  
W.F. Fawcett, Mrs. M. Jeffries,  
Mrs. E.A. Lawson, W.M. Means, F.J. Murray,  
Mrs. E. Stoker, E.G. Taylor, M.B.E.,  
N. Veale

## 2. PUBLIC HEALTH STAFF

MEDICAL OFFICER OF HEALTH

G. McN. Cubie.

M.B., Ch.B., D.P.H.

CHIEF PUBLIC HEALTH INSPECTOR

R.W. Thirkell.

M.B.S.H., M.A.P.H.I., Cert. S.I.B.,  
Meat and Food Inspector's Cert.,  
Smoke Inspector's Cert., Sanitary  
Science Cert., R.S.H., Hon. Diploma  
Royal Institute of Public Health  
and Hygiene.

DEPUTY CHIEF PUBLIC HEALTH INSPECTOR

W.R.M. Gray.

Cert. S.I.B., Meat and Food Inspector's  
Cert., Smoke Inspector's Cert.,  
Testimonial Institute of Public  
Cleansing.

ADDITIONAL PUBLIC HEALTH INSPECTOR

B. Hall.

M.A.P.H.I. Cert. S.I.B., Meat and  
Food Inspector's Cert., Smoke  
Inspector's Cert.

ADDITIONAL PUBLIC HEALTH INSPECTOR

A. Whitwell.

Public Health Inspector's Diploma.  
Smoke Inspector's Cert.

PUPIL PUBLIC HEALTH INSPECTOR

C. Melville.

CLEANSING FOREMAN

S. Hutchinson.

RODENT OPERATOR

N. Atkinson.

SENIOR CLERK

Mrs. N. Duffy.

CLERK

Mrs. A. Graham.

To the Chairman and Members  
of Longbenton Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to submit the annual report on the health of the district for the year ended 31st December, 1971. This report has been prepared in accordance with the Department of Health and Social Security Circular 1/72.

Between the censuses, the Registrar General submits estimates of population according to the information available to him. For 1970, there was considered to have been an increase of 600 in population whereas for 1971, a decrease of 980 was estimated to have taken place. There is no obvious reason apparent for these fluctuations: the 1970 Census figure should be available in the near future.

The Birth Rate of 10.7 per thousand population (adjusted by the comparability factor) was little changed from 1970 (10.3) and remained considerably lower than that of England and Wales (16.0). Similarly, the Death Rate of 14.1 (adjusted by the comparability factor) was only slightly higher than in 1970 (13.7) but was appreciably higher than England and Wales (11.6). Infant Mortality was satisfactorily low at 12.0 per 1,000 total live births compared with 14.0 for Northumberland and 18.0 for England and Wales.

In conclusion, I would like to express my thanks to the staff of the Health Department and particularly to the Chief Public Health Inspector, for their work during the year and I would also like to thank the members of the Council for their interest and support.

I remain your obedient servant,

G. McN Cubie.

MEDICAL OFFICER OF HEALTH



#### 4. SOCIAL CONDITIONS AND PHYSICAL FEATURES

Situated in the County of Northumberland, the Longbenton Urban District covers an area of 6,786 acres, and adjoins the north-eastern boundary of the City and County of Newcastle upon Tyne. The Urban District is governed by a Council consisting of 24 members (Chairman and Vice-Chairman and 22 Councillors) it includes the following areas: Benton, Forest Hall, Palmersville, Killingworth, Benton Square, Holystone, West Allotment, Westmoor, Burradon, Annitsford, Dudley, Seaton Burn, Fordley, Wideopen and part of Hazlerigg.

The present Urban District came into being on 1st April, 1935, when there was added to the original Urban District what had been the former Urban District of Weetslade. The original Urban District of Longbenton was first constituted in 1912 by the County of Northumberland Confirmation Order, 1912, the old Weetslade Urban District being first constituted in 1894. Before these dates both authorities were parts of the Rural District of Tynemouth, which is no longer in existence.

The Urban District is situated at approximately five miles north-east of Newcastle upon Tyne and is rapidly becoming a dormitory for the workers and business people of that city, and it is approximately the same distance away from the coast at Whitley Bay. In general, the land is mainly flat from west to east, rising gently from Forest Hall, north of the district, and is well-wooded.

Though one of the main industries is coal mining many business concerns are moving into the Urban District being tempted by the attractive facilities offered at Killingworth New Town and Benton Square Industrial Site. The headquarters of the Department of Health and Social Security are situated on the outer fringe of the Urban District's southern boundary. The buildings cover an area of approximately 63 acres and were opened in October, 1946. Thousands of men and women are employed here in the supervision of Health Insurance over the whole country, the local administration of which is carried out through 800 offices.

It will be seen that, it is largely an industrial and residential area, which has been continually growing over the years, the climate is an agreeable one and the district has much to offer its residents. The existence of the farmlands within the area assists, of course, in freshening the air, and the Council itself is in the vanguard of the forces pledged to maintain the health of the residents.

5. STATISTICSGENERAL

|                               |            |
|-------------------------------|------------|
| Acreage                       | 6,786      |
| Number of inhabited Houses.   |            |
| Council 5,403    Other 11,759 | 17,162     |
| Number of other Premises      | 2,279      |
| Rateable Value                | £1,669,629 |
| Sum represented by a 1p rate  | £16,300    |

VITAL

|                   |      |   |        |
|-------------------|------|---|--------|
| <u>Population</u> | 1955 | - | 37,290 |
|                   | 1960 | - | 49,810 |
|                   | 1965 | - | 47,580 |
|                   | 1968 | - | 48,650 |
|                   | 1969 | - | 49,560 |
|                   | 1970 | - | 50,160 |
|                   | 1971 | - | 49,180 |

Density of Persons per House - 2.87

Births

Comparability Factor - 0.87

|                          | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|--------------------------|-------------|---------------|--------------|
| Live Births - Legitimate | 293         | 268           | 561          |
| Illegitimate             | 21          | 22            | 43           |
|                          | <u>314</u>  | <u>290</u>    | <u>604</u>   |

Rate per 1,000 population:-

C. F. Adjusted

|                       |      |
|-----------------------|------|
| Longbenton U.D.C.     | 12.3 |
| Northumberland County | 14.9 |
| England and Wales     | 16.0 |

|                           | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|---------------------------|-------------|---------------|--------------|
| Still Births - Legitimate | 8           | 1             | 9            |
| Illegitimate              | -           | 1             | 1            |
|                           | <u>8</u>    | <u>2</u>      | <u>10</u>    |

Rate per 1,000 total live and Still Births ..... 16.0  
                   England and Wales ..... 12.0  
                   Total live and Still Births ..... 614  
 Illegitimate Live Births (% of total Live Births) ..... 7.0



Deaths .....

Comparability Factor 1.50

|              | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|--------------|-------------|---------------|--------------|
| Number ..... | 258         | 203           | 461          |

Rate per 1,000 population:-

|                             |      | C. F. Adjusted |
|-----------------------------|------|----------------|
| Longbenton U.D.C. ....      | 9.4  | 14.1           |
| Northumberland County ..... | 12.4 | 12.8           |
| England and Wales .....     | 11.6 |                |

The commonest causes of Death during 1971 were:-

|                             |     |
|-----------------------------|-----|
| Heart and Circulation ..... | 221 |
| Cancer .....                | 120 |
| Respiratory Diseases .....  | 62  |

Infant Mortality

|                             | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|-----------------------------|-------------|---------------|--------------|
| Deaths under 1 year of age  | 5           | 2             | 7            |
| Deaths under 4 weeks of age | 3           | 1             | 4            |
| Deaths under 1 week of age  | 2           | 1             | 3            |

Infant mortality rates (total infant deaths per 1,000 total live births)

|                             |      |
|-----------------------------|------|
| Longbenton .....            | 12.0 |
| Northumberland County ..... | 14.0 |
| England and Wales .....     | 18.0 |

Infant Mortality

|   |      |
|---|------|
| Infant Deaths per 1,000 Live Births .....   | 12.0 |
| Death Rate per 1,000 Live Births of Infants under<br>4 weeks of age (Neo-Natal Mortality Rate)                          |      |
| All Infants per 1,000 Live Births .....   | 7.0  |
| England and Wales .....   | 12.0 |
| Death Rate per 1,000 Live Births of Infants under 1 week of age<br>(early Neo-Natal mortality Rate)                     |      |
| All Infants per 1,000 Live Births .....   | 5.0  |
| England and Wales .....   | 10.0 |
| Still Births and Deaths under 1 week combined per 1,000 total Live<br>and Still Births (Perinatal Mortality Rate) ..... |      |
| Mortality Rate .....  | 21.0 |
| England and Wales .....   | 22.0 |

Causes of Infant Deaths

|  |   |
|--|---|
| Pneumonia .....                          | 1 |
| Intestinal Obstruction and Hernia .....  | 1 |
| Congenital Anomalies .....               | 3 |
| Birth Injury, Difficult Labour etc. .... | 2 |

## Maternal Mortality (Including Abortion) :-

|   |      |
|---|------|
| Number of Deaths .....                    | NIL. |
| Rate per 1,000 Live and Still Births .... | NIL. |

The natural increase of the population for the year, i.e. the excess  
of births over deaths was ..... 143

| Cause of Death                            | Sex    | Total<br>all<br>Ages | Under<br>4<br>weeks | 4 wks.<br>- 1. | Age in Years |        |        |        |        |        |         |         |              |
|---|--------|----------------------|---------------------|----------------|--------------|--------|--------|--------|--------|--------|---------|---------|--------------|
|   |        |                      |                     |                | 1-           | 5-     | 15-    | 25-    | 35-    | 45-    | 55-     | 65-     | 75 &<br>over |
| Tuberculosis of<br>Respiratory System     | M<br>F | 1<br>-               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | 1<br>-  | -<br>-       |
| Late Effects of<br>Respiratory T.B.       | M<br>F | -<br>1               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>-  | -<br>-  | -<br>-       |
| Other Infective and<br>Parasitic Diseases | M<br>F | -<br>1               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>-       |
| Malignant Neoplasm,<br>Buccal Cavity etc. | M<br>F | 2<br>-               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | 1<br>-  | 1<br>-       |
| Malignant Neoplasm,<br>Oesophagus.        | M<br>F | 2<br>2               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 2<br>-  | -<br>2  | -<br>-       |
| Malignant Neoplasm,<br>Stomach            | M<br>F | 11<br>6              | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>1 | 2<br>1  | 6<br>3  | 3<br>1       |
| Malignant Neoplasm,<br>Intestine          | M<br>F | 5<br>7               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>2 | 3<br>2  | 1<br>-  | 1<br>3       |
| Malignant Neoplasm,<br>Lung, Bronchus     | M<br>F | 35<br>10             | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 6<br>2 | 13<br>3 | 12<br>4 | 4<br>1       |
| Malignant Neoplasm,<br>Breast.            | M<br>F | ..<br>9              | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>2 | -<br>3  | -<br>1  | -<br>2       |
| Malignant Neoplasm,<br>Uterus             | M<br>F | -<br>6               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>1 | -<br>3 | -<br>1  | -<br>1  | -<br>-       |
| Malignant Neoplasm,<br>Prostate           | M<br>F | 1<br>-               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>-  | -<br>-  | -<br>-       |



## CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1971 IN THE URBAN DISTRICT OF LONGBENTON

| Cause of Death                      | Sex    | Total<br>all<br>Ages | Under<br>4<br>weeks | 4 wks.<br>- 1. | Age in Years |        |        |        |        |         |         |          |              |        |
|-------------------------------------|--------|----------------------|---------------------|----------------|--------------|--------|--------|--------|--------|---------|---------|----------|--------------|--------|
|                                     |        |                      |                     |                | 1-           | 5-     | 15-    | 25-    | 35-    | 45-     | 55-     | 65-      | 75 &<br>over |        |
|                                     |        |                      |                     |                |              |        |        |        |        |         |         |          |              |        |
| Leukaemia                           | M<br>F | -<br>1               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>-   | -<br>-       | -<br>1 |
| Other Malignant<br>Neoplasms        | M<br>F | 13<br>40             | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>1  | 2<br>4  | 4<br>4   | 4<br>2       | 3<br>2 |
| Diabetes Mellitus                   | M<br>F | -<br>3               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>-   | -<br>3       | -<br>- |
| Other Endocrine<br>etc. Diseases    | M<br>F | 1<br>2               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>1   | 1<br>-       | -<br>1 |
| Anaemias                            | M<br>F | 1<br>1               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>-   | -<br>-       | 1<br>1 |
| Mental<br>Disorders                 | M<br>F | -<br>1               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>-   | -<br>-       | -<br>1 |
| Other Diseases of<br>Nervous System | M<br>F | 4<br>-               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>-  | 1<br>-  | -<br>-   | 1<br>-       | 1<br>- |
| Chronic Rheumatic<br>Heart Disease  | M<br>F | 1<br>3               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | -<br>1  | 1<br>1   | -<br>-       | -<br>1 |
| Hypertensive Disease                | M<br>F | 1<br>5               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>1 | -<br>- | -<br>- | -<br>-  | -<br>-  | -<br>1   | -<br>1       | 1<br>2 |
| Ischaemic Heart<br>Disease          | M<br>F | 73<br>50             | -<br>-              | -<br>-         | -<br>-       | 1<br>- | 1<br>- | -<br>- | 3<br>1 | 11<br>4 | 11<br>5 | 29<br>11 | 18<br>29     |        |
| Other Forms of<br>Heart Disease     | M<br>F | 3<br>7               | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-  | 1<br>1  | 1<br>-   | 1<br>6       |        |
| Cerebrovascular<br>Disease          | M<br>F | 22<br>34             | -<br>-              | -<br>-         | -<br>-       | -<br>- | -<br>- | -<br>- | 1<br>1 | 1<br>3  | 5<br>5  | 7<br>8   | 8<br>17      |        |



[illegible]

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1971 IN THE URBAN DISTRICT OF LONGBENTON

| Cause of Death                          | Sex    | Total<br>all<br>Ages | Under<br>4<br>weeks | 4 wks.<br>-<br>1. | Age in Years |        |        |        |          |          |          |          |              |
|---|--------|----------------------|---------------------|-------------------|--------------|--------|--------|--------|----------|----------|----------|----------|--------------|
|   |        |                      |                     |                   | 1-           | 5-     | 15-    | 25-    | 35-      | 45-      | 55-      | 65-      | 75 &<br>over |
| Birth Injury,<br>Difficult Labour etc.  | M<br>F | 2<br>-               | 2<br>-              | -<br>-            | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>-   | -<br>-   | -<br>-   | -<br>-       |
| Motor Vehicle<br>Accidents              | M<br>F | 5<br>1               | -<br>-              | -<br>-            | -<br>-       | 3<br>- | -<br>- | -<br>- | -<br>-   | 1<br>-   | -<br>-   | -<br>-   | -<br>1       |
| All Other<br>Accidents                  | M<br>F | 6<br>5               | -<br>-              | -<br>-            | -<br>-       | 2<br>- | -<br>1 | -<br>- | -<br>-   | 1<br>-   | 2<br>2   | -<br>-   | 1<br>2       |
| Suicide and Self-<br>Inflicted Injuries | M<br>F | 3<br>1               | -<br>-              | -<br>-            | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>-   | 2<br>-   | -<br>-   | -<br>1   | 1<br>-       |
| All Other<br>External Causes            | M<br>F | 1<br>-               | -<br>-              | -<br>-            | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>-   | -<br>-   | 1<br>-   | -<br>-       |
| Total all<br>Causes                     | M<br>F | 258<br>203           | 3<br>1              | 2<br>1            | -<br>1       | 5<br>- | 1<br>2 | 7<br>5 | 28<br>22 | 59<br>32 | 82<br>43 | 71<br>96 |              |



CAUSES OF DEATH IN THE LONGBENTON AREA, 1971

| <u>Causes of Death</u>                       | <u>Males</u> | <u>Females</u> |
|--|--------------|----------------|
| All causes .....                             | 258          | 203            |
| Tuberculosis of Respiratory System .....     | 1            | -              |
| Late effects of Respiratory T.B. ....        | -            | 1              |
| Other Infective and Parasitic Diseases ..... | -            | 1              |
| Malignant Neoplasm, Buccal Cavity .....      | 2            | -              |
| Malignant Neoplasm, Oesophagus .....         | 2            | 2              |
| Malignant Neoplasm, Stomach .....            | 11           | 6              |
| Malignant Neoplasm, Intestine .....          | 5            | 7              |
| Malignant Neoplasm, Lung, Bronchus .....     | 35           | 10             |
| Malignant Neoplasm, Breast .....             | -            | 9              |
| Malignant Neoplasm, Uterus .....             | -            | 6              |
| Malignant Neoplasm, Prostate .....           | 1            | -              |
| Leukaemia .....                              | -            | 1              |
| Other Malignant Neoplasms .....              | 13           | 10             |
| Diabetes Mellitus .....                      | -            | 3              |
| Other Endocrine etc. Diseases .....          | 1            | 2              |
| Anaemias .....                               | 1            | 1              |
| Mental Disorders .....                       | -            | 1              |
| Other Diseases of Nervous System .....       | 4            | -              |
| Chronic Rheumatic Heart Disease .....        | 1            | 3              |
| Hypertensive Disease .....                   | 1            | 5              |
| Ischaemic Heart Disease .....                | 73           | 50             |
| Other Forms of Heart Disease .....           | 3            | 7              |
| Cerebrovascular Disease .....                | 22           | 34             |
| Other Diseases of Circulatory System .....   | 11           | 11             |
| Pneumonia .....                              | 15           | 17             |
| Bronchitis and Emphysema .....               | 23           | 3              |
| Other Diseases of Respiratory System .....   | 1            | 1              |
| Peptic Ulcer .....                           | 3            | -              |
| Appendicitis .....                           | 1            | -              |
| Intestinal Obstruction and Hernia .....      | 2            | -              |
| Cirrhosis of Liver .....                     | 1            | -              |
| Other Diseases of Digestive System .....     | 4            | 2              |
| Hyperplasia of Prostate .....                | 3            | -              |
| Other Diseases, Genito-Urinary System .....  | -            | 1              |
| Congenital Anomalies .....                   | 1            | 2              |
| Birth Injury, Difficult Labour, etc. ....    | 2            | -              |
| Motor Vehicle Accidents .....                | 5            | 1              |
| All Other Accidents .....                    | 6            | 5              |
| Suicide and Self-Inflicted Injuries .....    | 3            | 1              |
| All Other External Causes .....              | 1            | -              |

TABLE SHOWING THE INFANTILE MORTALITY RATES SINCE THE  
FORMATION OF THE LONGBENTON URBAN DISTRICT COUNCIL IN

1935

| 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | 1941  | 1942  | 1943  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 78.30 | 85.22 | 87.30 | 70.27 | 51.90 | 85.70 | 60.60 | 51.80 | 61.10 |

| 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | 1951  | 1952  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 35.95 | 76.54 | 35.95 | 36.68 | 43.68 | 38.87 | 31.47 | 25.80 | 38.31 |

| 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | 1961  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 23.76 | 24.41 | 35.18 | 20.40 | 16.52 | 18.18 | 27.71 | 17.54 | 15.29 |

| 1962  | 1963  | 1964  | 1965  | 1966  | 1967  | 1968  | 1969 | 1970  |
|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 24.59 | 14.60 | 20.46 | 20.28 | 19.88 | 20.15 | 14.85 | 7.00 | 20.00 |

| 1971  |
|-------|
| 12.00 |



6. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS  
AND OTHER DISEASES

The following tables show the number and age groups of the cases of Infectious Diseases notified during the year:-

Infectious Diseases 1970 and 1971

|                          | Number of Cases |     |       |      |    |       |
|--------------------------|-----------------|-----|-------|------|----|-------|
|                          | 1970            |     |       | 1971 |    |       |
|                          | M               | F   | Total | M    | F  | Total |
| Scarlet Fever            | 3               | 2   | 5     | -    | 2  | 2     |
| Whooping Cough           | 6               | 7   | 13    | 2    | 4  | 6     |
| Diphtheria               | -               | -   | -     | -    | -  | -     |
| Measles                  | 179             | 198 | 377   | 8    | 16 | 24    |
| Acute Pneumonia          | -               | -   | -     | -    | -  | -     |
| Acute Encephalitis       | -               | -   | -     | -    | -  | -     |
| Smallpox                 | -               | -   | -     | -    | -  | -     |
| Ophthalmia Neonatorum    | -               | -   | -     | 1    | -  | 1     |
| Puerperal Pyrexia        | -               | -   | -     | -    | -  | -     |
| Erysipelas               | -               | -   | -     | -    | -  | -     |
| Dysentery                | -               | -   | -     | -    | 3  | 3     |
| Typhoid Fever            | -               | -   | -     | -    | -  | -     |
| Paratyphoid              | -               | -   | -     | -    | -  | -     |
| Food Poisoning           | -               | 1   | 1     | 1    | -  | 1     |
| Infective Jaundice       | 15              | 16  | 31    | 2    | 1  | 3     |
| Tuberculosis Respiratory | 7               | 3   | 10    | 4    | -  | 4     |
| " Meninges               | -               | -   | -     | -    | -  | -     |
| " C.N.S.                 | -               | -   | -     | -    | -  | -     |
| " Other Forms            | 1               | 1   | 2     | 1    | 2  | 3     |
| TOTALS                   | 211             | 228 | 439   | 19   | 28 | 47    |

TABLE OF INFECTIOUS DISEASES (EXCLUDING TUBERCULOSIS) SHOWING THE AGE GROUP DISTRIBUTION DURING 1971

|                       | Total<br>Cases<br>Noti-<br>fied | Under<br>1<br>year | 1-2<br>Yrs. | 3-4<br>Yrs. | 5-9<br>Yrs. | 10-14<br>Yrs. | 15-19<br>Yrs. | 20-24<br>Yrs. | 25-44<br>Yrs. | 45-64<br>Yrs. | Over<br>65<br>Yrs. | Age<br>Not<br>Known |
|-----------------------|---------------------------------|--------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------------|
| Scarlet Fever         | 2                               | -                  | 1           | -           | 1           | -             | -             | -             | -             | -             | -                  | -                   |
| Whooping Cough        | 6                               | 1                  | 3           | 1           | 1           | -             | -             | -             | -             | -             | -                  | -                   |
| Diphtheria            | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Measles               | 24                              | 4                  | 2           | 3           | 10          | 2             | 1             | -             | 2             | -             | -                  | -                   |
| Acute Pneumonia       | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Acute Encephalitis    | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Smallpox              | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Ophthalmia Neonatorum | 1                               | 1                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Puerperal Pyrexia     | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Erysipelas            | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Dysentery             | 3                               | -                  | 1           | -           | 1           | -             | -             | -             | 1             | -             | -                  | -                   |
| Typhoid Fever         | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Paratyphoid Fever     | -                               | -                  | -           | -           | -           | -             | -             | -             | -             | -             | -                  | -                   |
| Food Poisoning        | 1                               | -                  | -           | -           | -           | -             | -             | -             | 1             | -             | -                  | -                   |
| Infective Jaundice    | 3                               | -                  | -           | -           | 1           | -             | 1             | -             | -             | 1             | -                  | -                   |
| TOTALS                | 40                              | 6                  | 7           | 4           | 14          | 2             | 2             | -             | 4             | 1             | -                  | -                   |

TUBERCULOSIS 1971 - The following tables are self-explanatory

|                   | New Cases Notified<br>Form A. |   |                   |   | Deaths    |   |                   |   |
|-------------------|-------------------------------|---|-------------------|---|-----------|---|-------------------|---|
|                   | Pulmonary                     |   | Non-<br>Pulmonary |   | Pulmonary |   | Non-<br>Pulmonary |   |
|                   | M                             | F | M                 | F | M         | F | M                 | F |
| Under 5 years     | -                             | - | -                 | - | -         | - | -                 | - |
| 5 to 14 years     | -                             | - | -                 | - | -         | - | -                 | - |
| 15 to 24 years    | -                             | - | -                 | - | -         | - | -                 | - |
| 25 to 44 years    | 1                             | - | -                 | - | -         | - | -                 | - |
| 45 to 64 years    | 3                             | - | -                 | 1 | 1         | - | -                 | - |
| 65 years and over | -                             | - | 1                 | 1 | -         | 2 | 1                 | 1 |
| Age not known     | -                             | - | -                 | - | -         | - | -                 | - |
|                   | 4                             | - | 1                 | 2 | 1         | 2 | 1                 | 1 |

| Cases Transferred<br>into Area | Pulmonary |   | Non-<br>Pulmonary |   |
|--------------------------------|-----------|---|-------------------|---|
|                                | M         | F | M                 | F |
| Under 5 years                  | -         | - | -                 | - |
| 5 to 14 years                  | -         | - | -                 | - |
| 15 to 24 years                 | -         | - | -                 | - |
| 25 to 44 years                 | -         | 1 | 1                 | - |
| 45 to 64 years                 | -         | - | -                 | - |
| 65 years and over              | 2         | - | 2                 | - |
| Age not known                  | -         | - | -                 | - |
|                                | 2         | 1 | 3                 | - |



PARTICULARS OF TUBERCULOSIS REGISTER AS AT 31st DECEMBER, 1971

|                                  | Pulmonary |     |       | Non-Pulmonary |    |       | Pulmonary and Non-Pulmonary |
|----------------------------------|-----------|-----|-------|---------------|----|-------|-----------------------------|
|                                  | M         | F   | Total | M             | F  | Total | Total                       |
| Cases on Register at 1.1.1971.   | 206       | 193 | 399   | 43            | 46 | 89    | 488                         |
| New Cases                        | 4         | -   | 4     | 1             | 2  | 3     | 7                           |
| Cases transferred into Area      | 2         | 1   | 3     | 3             | -  | 3     | 6                           |
| Cases Reinstated                 | -         | -   | -     | -             | -  | -     | -                           |
| Cases Removed                    | 30        | 23  | 53    | 4             | 2  | 6     | 59                          |
| Cases on Register at 31.12.1971. | 182       | 171 | 353   | 43            | 46 | 89    | 442                         |



7. HEALTH SERVICESMATERNITY AND CHILD WELFARE CLINICS

The following Clinics are held in the district:-

BURRADON

|                      |                               |
|----------------------|-------------------------------|
| Child Welfare Clinic | Alternate Thursday afternoons |
| Ante-Natal Clinic    | Alternate Tuesday afternoons  |

DUDLEY

|                      |                                   |
|----------------------|-----------------------------------|
| Child Welfare Clinic | Every Tuesday - Full Day          |
| Ante-Natal Clinic    | Every Wednesday afternoon         |
| Immunisation Clinic  | Monday afternoon - 4 weekly       |
| Toddler Clinic       | 3rd Thursday in month - afternoon |
| Ante-Natal Talks     | Usually Monday Afternoons         |

FORREST HALL

|  |  |
|--|--|
| Child Welfare Clinic                               | Every Tuesday - Full Day               |
| Ante-Natal Clinic                                  | Every Wednesday afternoon              |
| Immunisation Clinic                                | Thursday Morning - 4 weekly            |
| Toddler Clinics (2)                                | Both held Thursday mornings - 4 weekly |
| Ante-Natal Clinic combined<br>with Toddler Clinics | Thursday - 4 weekly                    |

KILLINGWORTH

|                      |                               |
|----------------------|-------------------------------|
| Child Welfare Clinic | Alternate Thursday afternoons |
|----------------------|-------------------------------|

Longbenton

|                      |  |
|----------------------|--|
| Child Welfare Clinic | Every Monday, all day                  |
|                      | Every Friday, all day                  |
| Ante-Natal Clinic    | Every Tuesday afternoon                |
|                      | Every Wednesday, all day               |
|                      | Every Tuesday morning 11 - 12          |
|                      | Every Thursday morning 10 - 11         |
|                      | Every Thursday afternoon               |
|                      | Thursday - 4 weekly                    |
|                      | Every Friday with Child Welfare Clinic |
|                      | Thursday - 4 weekly                    |
|                      | Thursday afternoons                    |
|                      | Thursday afternoons                    |

Polio Immunisation Clinic  
Immunisation Clinic  
Toddler Clinic  
Relaxation Classes  
Ante-Natal Talks

WOODLANDS PARK

|                      |                                  |
|----------------------|----------------------------------|
| Child Welfare Clinic | Every Monday - all day           |
|                      | Every Tuesday afternoon          |
|                      | Every Friday, all day            |
| Ante-Natal Clinic    | Every Wednesday afternoon        |
|                      | Every Thursday morning           |
| Toddler Clinic       | Every Tuesday Afternoon          |
| Immunisation Clinic  | 4th Friday lunch-time each month |
|                      | 1st Monday afternoon each month  |
| Ante-Natal Talks     | Every Thursday Afternoon         |
| Relaxation Classes   | Every Thursday Afternoon         |

AMBULANCE SERVICE

This is operated by Northumberland County Council, ambulances are supplied either from Wideopen Depot or Whitley Bay (for South part of the District). For all parts of the area ambulances may be obtained by telephoning 4141.

WELFARE SERVICES

The welfare section of the County Health Department at Eldon House, Regent Centre, Gosforth has become part of the new Social Services Department with its Director, Mr. G. W. Jackson.

The work administered by the welfare section includes:-

Administration of old people's homes.

Registration of private old people's homes.

Day Centres.

Blind and partially sighted persons.

Physically handicapped persons.

Mentally disordered persons - i.e. Mentally ill persons and mentally handicapped persons over school leaving age.

Adaptation of houses for physically handicapped persons.

Services provided by voluntary bodies for the elderly and handicapped, e.g. Meals on Wheels, Lunch Clubs, Over 60 Clubs etc. Home Help Services.

Nursery and Child Minders Regulations - registration of Day Nurseries, Play Groups and Child Minders.

Longbenton Urban District CouncilANNUAL REPORT

of the

Chief Public Health Inspectorfor the year ended 31st December, 1971.

To the Chairman and Members of the  
Longbenton Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my report for the Public Health Inspection, Refuse Collection and Transport Departments for the year 1971.

8. HOUSING

Details showing the number of families re-housed during 1971 and the numbers still remaining on the Housing Applications List have been kindly supplied by the Housing Manager.

Housing General - Allocations

| Ward                | Gen. Cat. | A/P | Evic. | Spec. Cases | Slum Clearance | Nom. & Key Workers | TOTAL |
|---------------------|-----------|-----|-------|-------------|----------------|--------------------|-------|
| Balliol & West Farm | 3         | Nil | Nil   | Nil         | Nil            | Nil                | 3     |
| Benton              | 1         | 1   | 1     | Nil         | Nil            | Nil                | 3     |
| Forest Hall         | 15        | 6   | 1     | 1           | Nil            | Nil                | 23    |
| Camperdown          | 18        | 2   | 1     | 2           | Nil            | Nil                | 23    |
| Dudley              | 20        | 5   | 2     | 1           | Nil            | Nil                | 28    |
| Holystone           | 2         | Nil | 1     | 1           | 12             | Nil                | 16    |
| Killingworth        | Nil       | Nil | Nil   | 6           | Nil            | 16                 | 22    |
| Seaton Burn         | 50        | 4   | 1     | 2           | 3              | Nil                | 60    |
| TOTALS              | 109       | 18  | 7     | 13          | 15             | 16                 | 178   |

Killingworth - New Dwellings

Newcastle Nominations  
Other Authorities  
Key Workers

270)  
56)  
5)

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331

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509

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Transfers

|  |    |
|--|----|
| Transfers to less Accommodation .....          | 16 |
| Transfers to more Accommodation .....          | 13 |
| Transfers to Similar Accommodation .....       | 38 |
| Transfers to Aged Person's Accommodation ..... | 23 |
| Outside Exchanges .....                        | 14 |

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 104
 

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Applications

The following is the position re housing applications as at 1.4.1972.

| Ward                   | General | Aged<br>Persons | Position as at |          |
|------------------------|---------|-----------------|----------------|----------|
|                        |         |                 | 1-4-1972       | 1-4-1971 |
| Balliol &<br>West Farm | 16      | 4               | 168            | 152      |
| Benton                 | 72      | 57              | 129            | 112      |
| Forest Hall            | 321     | 45              | 366            | 364      |
| Camperdown             | 172     | 28              | 200            | 192      |
| Dudley                 | 201     | 28              | 229            | 225      |
| Holystone              | 133     | 47              | 180            | 171      |
| Seaton Burn            | 110     | 25              | 135            | 151      |
| TOTAL:                 | 1,173   | 234             | 1,407          | 1,367    |



### The Clearance of Unfit Houses

The year began on a vigorous note. Demolition commenced at Annitsford, the houses situated at Lee Street, Jackson Street and Jubilee Terrace, were demolished, the occupants having been rehoused previously.

A Public Inquiry followed, to consider premises at Coquet Terrace and Western Terrace, Dudley. The result of which confirmed that the houses were unfit and redevelopment commenced within the vicinity with a view to rehousing the affected families.

Following Demolition Orders made on premises at Turner Street, West Allotment, most of the families were then removed to alternative accommodation with the grateful help of the Council's Housing Department. Almost as soon as the houses became vacant, demolition followed.

Concern was now felt for the "City" properties. The resources needed to deal with an area of some 169 families and houses situated in a residential district would be difficult, particularly when land for rehousing would not be available close by.

Towards the close of the year an approach was made from an independent housing association with a proposal to redevelop and modernise the area in question. The Council readily agreed to this course of action and it is expected that no time will be lost in seeing that the occupants in this particular location are to have the advantages of living in houses which are provided with all modern amenities, including central heating and to enjoy a more pleasant environment.

At the conclusion of the works referred to in the last paragraph, no large areas of unfit property should remain. Doubtless, there are small stocks of property which will need clearance but more time will then be devoted to exercising other powers laid down in the Housing Acts to encourage house owners to take advantage of the generous grants available for modernisation.

### Repair of Privately Owned Houses

It is fortunate that fairly wide powers exist which enables a Local Authority to insist that privately owned houses must be kept in a reasonable state of repair, in so much that they are fit for human habitation.

Having just commented upon the slum clearance programme, the need for fit houses requires reference. It would be true to say that the vast majority of privately owned dwellings are well maintained but perhaps this is partly due to the realisation that this can be insisted upon.

52 houses were made fit of which repairs to 50 houses were executed by owners after informal approach by the department. In 2 cases statutory action was necessary to require enforcement.

Most of these houses may be considered to lie within a 'Twilight zone', being not bad enough to condemn, nor with a life long enough to improve. As in previous years most complaints concerned dampness and it is especially gratifying to find the number of times when this serious defect can be remedied.

A summary of repairs remedied included the following:-

#### External:

- Weatherproofing of roofs.
- Repair or replacement of eavesgutters and rain water pipes.
- Pointing of external walls.
- Provision of sanitary accommodation.
- The re-surfacing of yards.
- Maintenance of good drainage.

#### Internal:

- Repairing broken wall and ceiling plaster.
- Renewing floors.
- Repairing doors and windows.
- Replacing fireplaces.
- Providing improved ventilation.

#### Fittings:

- Replacing sinks.
- Providing dustbins.
- Repair of water and waste pipes.
- Replacement of cisterns.

A good deal of advice was given for the eradication of dampness, and elimination of dry rot, woodworm and the improvement of natural lighting and ventilation.



H O U S I N GTABULAR STATEMENT FOR YEAR, 1971

| Houses Completed During the Year | With<br>State<br>Assist-<br>ance. | Unaided | Total |
|----------------------------------|-----------------------------------|---------|-------|
| By Local Authority               | 372                               | -       | 372   |
| By any other Housing Authority   | -                                 | -       | -     |
| By private persons               | -                                 | 219     | 219   |
| TOTAL                            | 372                               | 219     | 591   |

Total number of inhabited houses in district... 17,162

Total number of houses owned by Local Authority.... 5,403

ACTION WITH REGARD TO UNFIT HOUSESClosing and DemolitionNo. of Houses

- |   |     |
|---|-----|
| 1. Houses demolished in Clearance Areas.  | 139 |
| 2. Houses demolished not in Clearance Areas.                                      | 51  |
| 3. Houses closed, not demolished.   | -   |
| 4. Any other houses permanently discontinued as dwellings and not included above. | -   |

Repairs - Houses made fit

- |   |    |
|---|----|
| 5. By informal action.                            | 50 |
| 6. By owners, following statutory notice.         | 2  |
| 7. By local authority in default of owners        | -  |
| 8. Demolition Orders revoked after reconstruction | -  |

Slum Clearance Programme 1970 - 1973

Housing Act, 1957.

Part III Houses to be cleared - 61

Part II Houses likely to be  
subject of demolition  
or closing orders - 10

Unfit houses likely to remain after 1973 - 75 (approximately)

HOUSING ACTS, 1969 and 1971IMPROVEMENT GRANTSA. Discretionary Grants

|  |      |
|--|------|
| 1. Applications submitted to Local Authority during year ....                | 119  |
| 2. Improvements completed .....  | 62   |
| 3. Approximate average grant approved per house (2) .....                    | £426 |
| 4. Total number of houses approved for grant since inception of scheme ..... | 516  |

B. Standard Grants

|   |    | <u>Total to date</u> |
|---|----|----------------------|
| 1. Number of separate houses for which grants were made during year ..... | 17 | 222                  |
| 2. Number of houses provided with :                                       |    |                      |
| (a) Bath or shower .....  | 10 | 151                  |
| (b) Wash-hand basin .....   | 11 | 161                  |
| (c) Hot water supply .....  | 12 | 152                  |
| (d) Water closet .....  | 16 | 192                  |
| (e) Sink .....  | 4  | 18                   |

IMPROVEMENT OF HOUSES

The Housing Acts of 1969 and 1971 have in effect altered the amounts of grant available to enable property owners to improve houses to a sound standard. In addition, provisions provide for changes in chargeable rents under certain conditions.

Standard grants are awarded as a right, if a house is without basic amenities, such as bath, indoor toilet, hot and cold water supply, sink and wash-hand basin. An amount of up to £300 can be awarded by this Authority by virtue of being in a development area, this being for a limited period.

Improvement grants are given at the discretion of the Council and cover a much wider field of improvement or conversion. For instance, repairs can be included but only where they form part of an improvement scheme. Similarly, grants are not given for the installation of central heating unless it forms part of a more comprehensive scheme of improvement when an award may be given towards part of the installation. The limit of grant in such instances is £1,500 per dwelling, again that being for a limited period.

Provided that a dwelling house is fit, has all the standard amenities and is in reasonable repair an owner may apply to the Rent Officer to have the tenancy regulated in the case of a controlled tenancy. This in effect allows a fair rent to be charged where the property qualifies. The question of fitness rests with the Council, the amount of rent to be charged with the Rent Officer.

These provisions have quite naturally attracted a vast number of enquiries resulting in an increased demand for house improvements. The Department is available for guidance and advice on questions associated with house improvements, rent problems and regulated tenancies.



9. INSPECTION OF FACTORIES  
AND WORKPLACES

| Premises   | Number<br>on<br>Register | Number of             |                    |                              |
|--|--------------------------|-----------------------|--------------------|------------------------------|
|  |                          | Ins-<br>pect-<br>ions | Written<br>Notices | Occupiers<br>Prose-<br>cuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6, are to be enforced by the Local Authority.                 | 1                        | 1                     | -                  | -                            |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.                    | 87                       | 28                    | 4                  | -                            |
| (iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers premises). | 19                       | 11                    | 6                  | -                            |
| TOTAL  | 107                      | 40                    | 10                 | -                            |

DEFECTS FOUND IN FACTORIES

| Particulars                 | No. of cases in which defects were found |          |                        |                        | No. of cases in which prosecutions were instituted. |
|-----------------------------|--|----------|------------------------|------------------------|---|
|                             | Found                                    | Remedied | Referred               |                        |   |
|                             |  |          | To H.M. Inspec-<br>tor | To H.M. Inspec-<br>tor |   |
| Sanitary Conveniences (S.7) |  |          |                        |                        |   |
| a. Insufficient             | -  | -        | -                      | -                      | -   |
| b. Unsuitable or defective  | 7  | 3        | -                      | -                      | -   |
| TOTAL                       | 7  | 3        | -                      | -                      | -   |

TABLE OF OUTWORKERS

| Nature of Work              | No. of out-workers in Aug. List | No. of Cases of default in sending lists to Council | No. of prosecutions for failure to supply lists. | No. of instances of work in un-wholesome premises | Notices Served | Prosecutions |
|-----------------------------|---------------------------------|---|--|---|----------------|--------------|
| Weaving Apparel Making etc. | 22                              | -   | -  | -   | -              | -            |
| All other outworkers        | 6                               | -   | -  | -   | -              | -            |
| TOTAL                       | 28                              | -   | -  | -   | -              | -            |

10. SANITARY CIRCUMSTANCES OF THE DISTRICTWATER SUPPLY

Newcastle and Gateshead Water Company provides the Urban District with a plentiful and wholesome supply of water.

All the 17,162 houses and the total population of 49,180 persons are supplied direct from public water mains.

The Company takes regular samples at all points from the source to the point of supply, examination includes chemical analysis as well as for the presence of bacteria.

Whenever complaints have been received the Company have always acted speedily and in no instance has there been any cause for dissatisfaction.

The Health Department took 79 samples for bacteriological examination from dwelling houses, factories, business and other premises from varying parts of the District. All samples were satisfactory.

The Department also obtained 5 specimens of water which were submitted to the Public Analyst for chemical analysis.

I am grateful for the following reports which have been kindly supplied by the Newcastle and Gateshead Water Company.

(i) MARKWORTH TREATMENT PLANTS

|                                    | <u>Max.</u> | <u>Min.</u> | <u>Mean</u> |
|------------------------------------|-------------|-------------|-------------|
| pH value                           | 7.5         | 6.8         | 7.0         |
| Free CO                            | 16          | 2           | 6           |
| Alkalinity (As CaCO <sub>3</sub> ) | 160         | 60          | 80          |
| Hardness: (As CaCO <sub>3</sub> )  |             |             |             |
| Total                              | 170         | 70          | 125         |
| Carbonate                          | 120         | 20          | 80          |
| Non-Carbonate                      | 80          | 30          | 45          |
| Calcium                            | 120         | 40          | 80          |
| Magnesium                          | 55          | 25          | 45          |
| Chlorides (as Cl)                  | 24          | 10          | 16          |
| Sulphates (as SO <sub>4</sub> )    | 65          | 35          | 50          |
| Silica (as SiO <sub>2</sub> )      | 4.2         | 0.8         | 2.4         |
| Fluorides (as F)                   | 1.10        | <0.90       | 1.00        |
| Iron (as Fe)                       | 0.20        | <0.1        | 0.07        |
| Manganese (as Mn)                  | 0.05        | 0.01        | 0.01        |
| Dissolved Solids                   | 280         | 130         | 210         |

Chemical results in milligrams per litre.

This is a river-derived water the composition of which can vary from time to time. The maxima and minima quoted are not to be regarded as absolute values but rather as limits not likely to be exceeded in normal circumstances.

(ii) WHITTLE DENE AND THROCKLEY PLANTS

|                                    |      |       |      |
|------------------------------------|------|-------|------|
| pH value                           | 7.7  | 7.0   | 7.2  |
| Free CO <sub>2</sub>               | 16   | 2     | 6    |
| Alkalinity (as CaCO <sub>3</sub> ) | 160  | 60    | 90   |
| Hardness (as CaCO <sub>3</sub> )   |      |       |      |
| Total                              | 200  | 100   | 150  |
| Carbonate                          | 160  | 60    | 90   |
| Non-Carbonate                      | 80   | 30    | 60   |
| Calcium                            | 190  | 70    | 120  |
| Magnesium                          | 60   | 20    | 30   |
| Chlorides (as Cl)                  | 17   | 9     | 12   |
| Sulphates (as SO <sub>4</sub> )    | 70   | 20    | 50   |
| Silica (as SiO <sub>2</sub> )      | 4.2  | 0.8   | 2.4  |
| Fluorides (as F)                   | 1.10 | <0.90 | 1.00 |
| Iron (as Fe)                       | 0.25 | <0.01 | 0.07 |
| Manganese (as Mn)                  | 0.05 | 0.01  | 0.01 |
| Free & Saline Ammonia (as N)       | 0.23 | 0.04  | 0.12 |
| Albuminoid Ammonia (as N)          | 0.20 | 0.01  | 0.09 |
| Nitrates (as N)                    | 2.0  | 0.1   | 0.8  |
| Oxygen absorbed from               |      |       |      |
| permanganate                       | 3.4  | 1.0   | 2.0  |
| Dissolved Solids                   | 280  | 130   | 210  |

Chemical results in milligrams per litre.



NOTES:

1. Over much of the distribution system the water is a blend of the products of the principal treatment plants.
2. These plants in turn receive water in variable proportions from the several sources utilized by the Company.
3. It is therefore difficult to predict the composition of the supply to any particular point and the maxima and minima quoted are not to be regarded as absolute values but rather as limits not likely to be exceeded in normal circumstances.

(iii) (a) CHEMICAL EXAMINATION

There was no significant changes in the average chemical composition of the water supplied for domestic consumption.

Fluoridation was practised at the Whittle Dene and Henderson (Throckley) Works. The concentration of fluoride ion in the supplies from these works was maintained at 1.0 milligrammes per litre, the optimum dose for the promotion of dental health.

(b) BACTERIOLOGICAL EXAMINATION

1,032 works control samples from Whittle Dene and Throckley were examined in the Company's Laboratory: all were satisfactory save three.

252 samples of the water from the Coquet Water Board's Warkworth Plant were taken at Longbenton Governor House. All were 'satisfactory'.

Most of the supply to Longbenton U.D.C. comes from Warkworth via Governor House and the remainder from Whittle Dene and Throckley. Ten samples were taken in the Urban District: All were 'satisfactory'.

DRAINAGE

All enquiries regarding drainage were promptly attended to. This includes advice upon the layout of drainage systems for buildings, the inspection and testing of drains and clearing or renewal of choked and faulty systems. I must thank the Engineer and Surveyor and his Staff for their close co-operation, particularly in coming to assistance when stoppages have occurred during holidays and weekends when other agencies are unobtainable.

SEWERAGE AND SEWAGE DISPOSAL

The District is well served with an adequate sewerage system. The disposal of sewage is eventually discharged into the River Tyne on one hand and into the North Sea by way of the Seaton Valley Joint Sewerage Board on the other.

A scheme is in hand to prepare for the replacement and enlargement of the sewer from the Six Mile Bridge, Seaton Burn to a point south east of Seaton Burn House. The offsite surface water sewer at Dudley was completed during the year. This serves the Dudley Central Area Development.

SANITARY ACCOMMODATION

No premises with privy closets are inhabited in the district, indeed it is significant that many dwellings are now provided with two water closets, particularly in the case of where improvement grants have been awarded, the original closet remaining.

DUSTBINS

Complaints regarding the absence of dustbins or in instances where bins were so defective as to be dangerous when handling always resulted with the provision of a new bin. The Department keeps a supply of dustbins for sale when required.

RIVERS AND STREAMS

Two streams in the District need constant attention, whereas years ago these were merely country brooks, now the situation is such that private development has occurred which renders these liable to contamination by dumping of refuse.

POOLS AND LAKES

As well as bacteriological and chemical analysis of water supplies, samples were also taken from the baths at the spastic centre, the pools in the scout's camp and from the lake at Killingworth.

Routine sampling of the lake water at Killingworth gave surprisingly good results so that apparently the gradual flow across the lake maintains a satisfactory standard of purity.

DISPOSAL OF THE DEAD - NATIONAL ASSISTANCE ACT, 1948

Action was needed under this heading during 1971 on 4 occasions.

SCHOOLS

All schools in the area are provided with a sufficient and suitable water supply from the mains supply together with a water carriage system of sanitary accommodation. Periodical inspections are made of all schools and particular attention paid to those schools provided with school meals facilities, including kitchens.

HOUSING

The figures produced by the Housing Manager and the Chief Public Health Inspector show the extensive work carried out in the use of new Council Houses, and the elimination of unfit houses.

INSPECTION AND SUPERVISION OF FOOD(a) Nutrition

Talks were given to young mothers in Child Welfare Clinics.

(b) Shellfish and Molluscan

There are no shellfish beds or layings in this area. specimens were taken for bacteriological examination during the year.

SCRAP METAL DEALERS

Three premises were registered during the period.



PET ANIMALS ACT

One shop is licensed in the area.

TENTS, VANS AND SHEDS

There are no caravan sites licenced in the area. There is one caravan licensed and used by the owner of a market garden which is a considerable distance from a built-up area. A licence to station two caravans at Sandy Lane has also been granted.

MOBILE SHOPS

There is still a considerable number of mobile shops operating throughout the district, not only on new estates where new shops have been provided, but in the whole of the district. It would appear that there is a trend towards making more visits to shops and it is felt that perhaps the number of vans is being reduced. Vans are inspected regularly to see that the Food Hygiene Regulations are being complied with.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

By the end of the year 272 premises were on the Register. All newly registered premises received a general inspection and in all 297 visits were made.

Details are indicated in the following tables:

(A) REGISTRATIONS AND GENERAL INSPECTIONS

| Class of Premises                                     | Number of premises Registered during the year. | Number of Registered premises at end of year. | Number of Registered premises one or more receiving general inspections during the year. |
|---|--|---|--|
| Offices   | 1  | 66  | 29   |
| Retail Shops  | 5  | 152   | 67   |
| Wholesale Shops, Warehouses                           | 1  | 12  | 8  |
| Catering Establishments open to the public - canteens | 1  | 38  | 25   |
| Fuel Storage Depots                                   | -  | 4   | 1  |
| TOTALS  | 8  | 272   | 130  |

Total number of visits of all kinds by inspectors to registered premises under the Act. - 297.



(B) ANALYSIS OF CONTRAVENTIONS

| Section | Number of Contraventions found | Section | Number of Contraventions found                         |
|---------|--------------------------------|---------|--|
| 4       | Cleanliness 34                 | 13      | Sitting facilities -                                   |
| 5       | Overcrowding -                 | 14      | Seats (Sedentary Workers) 4                            |
| 6       | Temperature 48                 | 15      | Eating facilities -                                    |
| 7       | Ventilation 2                  | 16      | Floors, passage and stairs 11                          |
| 8       | Lighting 10                    | 17      | Fencing exposed parts machinery 4                      |
| 9       | Sanitary Conveniences -        | 18      | Protection of young persons from dangerous machinery 6 |
| 10      | Washing facilities 9           | 19      | Training of young persons working at dangerous Mach. - |
| 11      | Supply of Drinking Water -     | 23      | Prohibition of Heavy work. -                           |
| 12      | Clothing Accommodation -       | 24      | First Aid General Prov. 32                             |
|         |                                |         | Other Matters 21                                       |
|         |                                |         | TOTAL 181  |

(C) EXEMPTIONS

No. of applications received ..... None  
 No. of applications granted ..... None  
 (i) Space ..... None  
 (ii) Temperature ..... None  
 (iii) Sanitary Convenience ..... None  
 (iv) Running Water ..... None

(D) ANALYSIS BY WORKPLACE OF PERSONS EMPLOYED IN REGISTERED PREMISES AT END OF YEAR

| Class of Workplace                         | No. of Persons Employed |
|--|-------------------------|
| Offices                                    | 1,898                   |
| Retail Shops                               | 1,402                   |
| Wholesale Departments, Warehouses          | 291                     |
| Catering Establishments open to the Public | 214                     |
| Canteens                                   | 57                      |
| Fuel Storage Depots                        | 28                      |
| TOTAL                                      | 3,890                   |
| TOTAL MALES                                | 1,699                   |
| TOTAL FEMALES                              | 2,191                   |

(E) REPORTED ACCIDENTS

| Workplace   | Number Reported | Total Number Investigated | Action Recommended |                |                 |           |
|---|-----------------|---------------------------|--------------------|----------------|-----------------|-----------|
|   |                 |                           | Prosecution        | Formal Warning | Informal Advice | No Action |
| Offices   | -               | -                         | -                  | -              | -               | -         |
| Retail Shops  | 3               | 3                         | -                  | -              | 3               | -         |
| Wholesale Shops<br>Warehouses                       | 2               | 2                         | -                  | -              | 2               | -         |
| Catering establishments open to public,<br>Canteens | 2               | 2                         | -                  | -              | 2               | -         |
| Fuel storage depots                                 | -               | -                         | -                  | -              | -               | -         |
| TOTALS  | 7               | 7                         | -                  | -              | 7               | -         |



Analysis of reported accidents

|  | Offices | Retail Shops | Whole-sale Ware-Houses | Catering Estab-lishments open to public, Canteens | Fuel Storage Depots |
|--|---------|--------------|------------------------|---|---------------------|
| Machinery  | -       | -            | -                      | -   | -                   |
| Transport  | -       | -            | -                      | -   | -                   |
| Falls of persons                                 | -       | 1            | -                      | 1   | -                   |
| Stepping on or striking against object or person | -       | -            | 1                      | -   | -                   |
| Handling Goods                                   | -       | 2            | 1                      | 1   | -                   |
| Struck by falling object                         | -       | -            | -                      | -   | -                   |
| Fires and explosions                             | -       | -            | -                      | -   | -                   |
| Electricity                                      | -       | -            | -                      | -   | -                   |
| Use of hand tools                                | -       | -            | -                      | -   | -                   |
| Not otherwise specified                          | -       | -            | -                      | -   | -                   |

POU TRY INSPECTION

Poultry is slaughtered in three establishments, but no processing is carried on, the average weekly throughput being about 350.

A general oversight over the inspection of poultry is maintained.

THE INSPECTION AND SUPERVISION OF FOOD

There is now no licensed slaughterhouse in the district. All meat and other foods are inspected either in transit or when offered for sale.

UNSOUND FOOD CONDEMNED

A total of 4 tons 9 cwts. and 22 lbs. of foodstuffs was condemned during the year on account of not being in a fit state for either sale or human consumption. This amount may seem out of all proportion for the size of the area but there are now premises in the district where large quantities of foodstuffs are held for distribution. These commodities are as follows:-



|                    | <u>Tons</u> | <u>Cwts.</u> | <u>Lbs.</u> |
|--------------------|-------------|--------------|-------------|
| Meat               | -           | 1            | 53          |
| Canned Meats       | -           | 16           | 75          |
| Other Canned Foods | 3           | -            | 79          |
| Other Foods        | -           | 10           | 39          |
| <b>TOTAL</b>       | <b>4</b>    | <b>9</b>     | <b>22</b>   |

### BACTERIOLOGICAL EXAMINATION OF FOOD

Various commodities were examined by the Public Health Laboratory, the commodities being obtained either during manufacture, or in transit but mainly whilst offered for sale in food shops. In some instances they were also obtained from house-holders who had reason to doubt the substance of the food-stuffs. The following list gives some indication of the various types dealt with.

Meat Pies  
Sliced Meats  
Fresh Cream

### MILK SUPPLY

Cow byres are licensed by the Ministry of Agriculture, Fisheries and Food. Producers, Dairies, Distributors and Dealers of milk are under the control of the Local Authority.

The following licences have been granted:

44 Dealers' licences to retail pasteurised milk.  
73 Dealers' licences to retail sterilised milk.  
15 Dealers' licences to retail untreated milk.

### MILK SAMPLING

18 samples taken by the Department were analysed with our own equipment for the determination of fat and non-fatty solids content. These specimens were of the required standard.

46 specimens of pasteurised milk were examined to prove efficient pasteurisation and cleanliness. One result for cleanliness was unsatisfactory.

22 Sterilised milk samples were subjected to the turbidity test for evidence of sterilisation. All tests were correct.

In the case of untreated milk, altogether 16 specimens were examined for various details. These include tests for tuberculosis, brucellosis and antibiotic residues. It is pleasing to report that in every example results were entirely satisfactory.

### DISEASE FROM MILK

No action was necessary under Regulation 20 of the Milk and Dairy Regulations, 1949.

ICE CREAM

There is one licensed ice cream manufacturer in the District. Premises from which ice cream is sold are registered with the Local Authority, most supplies are sold direct from refrigerators and are pre-wrapped.

107 samples were obtained for examination, of these 96 were classified Grade I, this being highly satisfactory, the other 11 being placed in Grade IV.

Regarding the unsatisfactory samples, the manufacturers were contacted and investigation commenced. After resiting equipment good results were obtained.

47 samples of ice lollies were examined for the presence of coliform bacilli. 5 unsatisfactory specimens were reported.

MEAT INSPECTION

No cases of cysterccercus bovis or tuberculosis were encountered during the year, one slaughterman's licence was issued under the Slaughter of Animals Act.

There are no Poultry Processing premises within the District.

EXTRANEJUS MATTER IN FOOD

The following commodities were reported as being unsound within the meaning of the Food and Drugs Act, 1955:-

| Commodity     | Foreign Body       |
|---------------|--------------------|
| Milk          | Dirty Bottle (2)   |
| Milk          | Foreign Matter     |
| Bread         | Foreign Matter (4) |
| Bread         | Mould (2)          |
| Canned Meat   | Decomposition (3)  |
| Canned Meat   | Discolouration     |
| Canned Meat   | Foreign Matter (2) |
| Meat Pies     | Mould (3)          |
| Meat Pies     | Foreign Matter     |
| Vegetables    | Parasites          |
| Cereals       | Larvae             |
| Confectionery | Insect (2)         |
| Confectionery | Mice Droppings     |

In 5 cases proceedings were instituted under section 2 of the Food and Drugs Act, 1955, all prosecutions were successful involving fines and costs of £92.



FOOD HYGIENE

305 Inspections were made under this heading during 1971 though no prosecutions were taken many informal notices were sent to the proprietors drawing attention to offences against the Food Hygiene Regulations.

FOOD HYGIENE (GENERAL) REGULATIONS, 1960

The following table contains details of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them.

| Category of Trade                | No. of Premises | No. of Premises fitted to comply with Regulation 16 | No. of Premises to which Regulation 19 applies | No. of Premises fitted to comply with regulation 19. |
|----------------------------------|-----------------|---|--|--|
| Licensed Premises                | 52              | 52  | 47   | 47   |
| Cafes & Canteens                 | 21              | 21  | 21   | 21   |
| Bakeries                         | 4               | 4   | 4  | 4  |
| Grocers                          | 30              | 30  | 30   | 30   |
| Greengrocers                     | 20              | 20  | 20   | 20   |
| Butchers                         | 23              | 23  | 23   | 23   |
| Confectioners                    | 47              | 46  | 32   | 32   |
| Fishmongers<br>(including Fried) | 10              | 10  | 10   | 10   |
| General Dealers                  | 65              | 65  | 62   | 61   |
| TOTALS                           | 272             | 271   | 249  | 248  |

FOOD POISONING

One case of food poisoning was encountered during the year which occurred during the summer months. The organism responsible being in the salmonella group.

Although it was not possible to trace the source it seemed significant to note that this case was either post apparent- whilst in Spain or shortly after returning from that country.

No infection was transmitted beyond the immediate house-hold due to the strict control enforced.



THE SAMPLES OF FOOD AND DRUGS

The following food and drugs samples were taken during 1971 by the Department's Inspectors. All were analysed by the Public Analyst:

|                            |                          |
|----------------------------|--------------------------|
| Coffee                     | Aspiring                 |
| Soup                       | Steak and Kidney Pie     |
| Orange Juice               | Fish Cakes               |
| Vinegar                    | Orange Drink             |
| Cooking Oil                | Sugar                    |
| Jam                        | Custard                  |
| Cheese Sticks              | Honey                    |
| Dripping                   | Baked Beans              |
| Dairy Cream                | Milk Shake               |
| Gelatine                   | Beef Steak               |
| Milk Shake Syrup           | Gravy Mix                |
| Champagne Chocolates       | Beefburgers              |
| Blackcurrant Drink         | Vinegar                  |
| Beef Sausage               | Tinned Oranges           |
| Caramel Flavour Dessert    | Margarine                |
| Steak Pie                  | Orange Drink             |
| Mincemeat                  | Cranberry Sauce          |
| Malted Milk                | Cold Relief Powders      |
| Orange Drink               | Evaporated Milk          |
| Marmalade                  | Lemon Curd               |
| Dried Milk                 | Cooking Fat              |
| Sauce                      | Custard Mix              |
| Condensed Milk             | Yoghurt                  |
| Cake Decorations           | Sausage                  |
| Sliced Cheese              | Suet                     |
| Toffee                     | Ginger Cordial           |
| Cheese Portions            | Dried Onions             |
| Ginger Beer                | Cheese                   |
| Baby Food Dessert          | Scotch Eggs              |
| Cereal Baby Food           | Gravy Mix                |
| Rosehip Syrup              | Confectionery Decoration |
| Cognac Brandy              | Jam                      |
| Ready Cooked Pease-Pudding | Throat Tablets           |
| Cheese Spread with Shrimps | Apple Pudding            |
| Butter Mintoos             | Gin                      |
| Ginger Wine                | Baby Food                |
| Shortbread                 | Raspberry Cordial        |
| Liquid Paraffin            |                          |

REFUSE COLLECTION AND DISPOSAL

This section of the Department continued its good work during the year. The new bonus scheme was received with enthusiasm. Although the increased amount of refuse to be collected at a greater number of premises may have put a strain upon the services, nevertheless, the collection teams were willing to cope with the situation and responded admirably.

It is fortunate that each round is served with a large capacity type refuse collection vehicle which has eliminated the wasting of time in running backwards and forwards to the tip.

All Freighters in use are supplied by Messrs. Shelvoke and Drewry Ltd., of Letchworth details being:-

| Vehicle  | Year | Type         | Capacity | Fuel   |
|----------|------|--------------|----------|--------|
| TTY 544  | 1961 | F/Aft Tipper | 18 c.yd. | Petrol |
| VJR 779  | 1962 | Bulk Loader  | 18 c.yd. | Diesel |
| WTY 385  | 1962 | F/Aft Tipper | 18 c.yd. | Diesel |
| ENL 146C | 1965 | Compression  | 35 c.yd. | Diesel |
| JTY 501D | 1966 | Compression  | 50 c.yd. | Diesel |
| PNL 243G | 1968 | Compression  | 60 c.yd. | Diesel |
| VJR 924H | 1970 | Compression  | 60 c.yd. | Diesel |
| VNL 451H | 1970 | Compression  | 60 c.yd. | Diesel |

#### DISPOSAL OF REFUSE.

As in the past, the Council has continued its policy of refuse disposal by means of controlled tipping. The refuse from Gosforth Urban District has been disposed of at the present tip at Scaffold Hill, off Whitley Road.

The site is a good one but its life will be of short duration and it is hoped that it will be possible to obtain land in the same vicinity for future years. Being well away from industrial and domestic premises it is possible to tip without causing any nuisance, the use of screens and fences protect the surrounding land and livestock.

At the completion of operations derelict land will have been reclaimed for future landscaping. It must be recorded that the Council whole-heartedly co-operated with the Joint Working Party for Refuse Disposal in Tyneside/Wearside.

Consultations with the owners of land near to the Wallsend boundary concerning nearly 40 acres of tipping site have been successful, however, on account of nature conservancy, planning permission will present difficulties. Should this state of affairs prevail the only option remaining will be to extend the present tip towards the main road.

The findings of the Joint Working Party for Refuse Disposal in Tyneside/Wearside recommended incineration of all refuse by means of suitable plant serving neighbouring authorities. This will of course give a hygienic system of disposal but we must be prepared to pay the extra cost.



STATISTICS

|   |                |
|---|----------------|
| Area (statute acres) - land and inland water ... ..   | 6,786 acres    |
| Population at 30th June, 1971 (Registrar General's estimate) ... ..                             | 49,180 persons |
| Total refuse collected . ... ..   | 20,000 tons    |
| Percentage of total refuse collected (tons) weighed ..  | 2%             |
| Weight (cwts.) per 1,000 population per day (365 days to year) ... ..                           | 22.28 cwts.    |
| Number of premises from which refuse is collected ... ..  | 19,441         |
| Premises from which collections are made at least once weekly ... ..                            | 100% of total  |
| Average haul, single journey to final disposal point (including - miles by secondary transport) | 2.4 miles      |
| Kerbside collection expressed as estimated percentage of total collection ... ..                | NIL%           |
| Total refuse disposed of:   |                |
| (i) Council's own refuse ... ..   | 20,000         |
| (ii) For other local authorities ... ..   | 10,000         |
| (iii) Total .. ... ..   | 30,000         |
| Methods of disposal (salvage excluded)  |                |
| (a) Crude Tipping ... ..  | -%             |
| (b) Controlled Tipping ... ..   | 100%           |
| (c) Separation (controlled tipping) ... ..  | -%             |
| (d) Direct Incineration ... ..  | -%             |
| (e) Separation and Incineration ... ..  | -%             |
| (f) Other methods (state nature) ... ..   | -%             |

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 100%
 

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## Salvage - Analysis of income and tonnage

|                              | <u>Income</u> | <u>Tonnage collected</u> |
|------------------------------|---------------|--------------------------|
| (a) Raw kitchen waste .. ... | -             | -                        |
| (b) Scrap metal .. ...       | -             | -                        |
| (c) Waste Paper .. ...       | £4,500        | 430                      |
| (d) Other salvage ... ..     | £100          | 2                        |
| (e) Totals                   | £4,600        | 432                      |

## Trade Refuse

|                    |           |
|--------------------|-----------|
| (a) Income ... ..  | £2,100    |
| (b) Tonnage ... .. | Not known |



TRADE REFUSE

The policy of charging 13/- per bin per annum has been changed to £1.04 in the case of trade refuse. The volume of such refuse has increased steadily as new industries came into operation. Some firms deposit refuse by means of their own transport for which a charge of £1 per load is made.

SALVAGE

The amount of waste paper collected during the year came to a total of £4,500. This provides added employment, leaves a profit for the Council and saves having to deposit some 430 tons of paper on the tip.

THE PREVENTION OF DAMAGE BY PESTS ACT, 1949

Rats and Mice - Regular inspections and treatments were made to the refuse tip and sewage disposal works. Allotments and smallholdings in the district are kept under strict observation. Inspections are made by the Council's Rodent Operator and co-operation has been obtained with the respective owners where any infestation of rats has been found. We have contracts with a number of farmers and industrialists and their premises are given four regular services per year, although the treatments necessary are comparatively small, the farmers seem to be quite satisfied in that we are keeping the premises free from large infestations.

SEWERS

Test baiting of sewers was carried out in May and November. Only in a few instances were rat 'takes' of bait recorded.

The following is a summary of the work carried out during the year:-

| Type of Property |            | No. of Properties Surveyed (Inc. Resurveys) | No. of Inspections made | No. Treated by L.A. |      |
|------------------|------------|---|-------------------------|---------------------|------|
|                  |            |   |                         | Rats                | Mice |
| Local Authority  |            | 17  | 54                      | 14                  | -    |
| Business         |            | 57  | 163                     | 17                  | 9    |
| HOUSES           | L. A.      | 199   | 420                     | 56                  | 21   |
|                  | Private    | 231   | 553                     | 95                  | 27   |
| Agri-cult-ural.  | Allotments | 32  | 49                      | 9                   | -    |
|                  | Others     | 6   | 7                       | -                   | -    |
| Totals           |            | 542   | 1,246                   | 191                 | 57   |

Bodies recovered: 109 Rats and 75 Mice.

DISINFESTATION

The following table indicates the work done under this section:

| Type of Infestation              | No. of Houses Inspected |         | No. of Houses Treated<br>By L. A. |         |
|----------------------------------|-------------------------|---------|-----------------------------------|---------|
|                                  | Council                 | Private | Council                           | Private |
| Furniture Inspection             | 25                      | 33      | 6                                 | 15      |
| Infectious Disease<br>Fumigation | 1                       | 1       | 1                                 | 1       |
| Woodworm                         | 10                      | 4       | 10                                | 4       |
| Cockroaches                      | 144                     | 18      | 144                               | 18      |
| Bees                             | 2                       | 1       | 2                                 | 1       |
| Wasps                            | 2                       | 8       | 2                                 | 8       |
| Fleas                            | 4                       | 10      | 3                                 | 9       |
| Bedbugs                          | 3                       | -       | 3                                 | -       |
| Lice                             | -                       | 2       | -                                 | 2       |
| Woodlice                         | 1                       | -       | 1                                 | -       |
| Houseflies                       | 2                       | 2       | 2                                 | 2       |
| Blowflies                        | -                       | 1       | -                                 | 1       |
| Cluster Flies                    | -                       | 5       | -                                 | 5       |
| Ground Beetles                   | 2                       | 2       | 2                                 | 2       |
| Plaster Beetles                  | 1                       | 1       | 1                                 | 1       |
| Spider Beetles                   | -                       | 1       | -                                 | 1       |
| Spiders                          | 4                       | 2       | 4                                 | 2       |
| Clover Mites                     | 12                      | 2       | 12                                | 2       |
| Silver Fish                      | -                       | 2       | -                                 | 2       |
| Ants                             | 2                       | -       | 2                                 | -       |
| Earwigs                          | 9                       | 3       | 9                                 | 3       |
| Maggots                          | -                       | 1       | -                                 | 1       |
| Gnats                            | -                       | 1       | -                                 | 1       |
| TOTALS                           | 224                     | 100     | 204                               | 81      |

ATMOSPHERIC POLLUTION

The amount of foreign matter in the atmosphere is obtained by apparatus set up in the Health Department Office.

The instrument is in continuous operation and calculations are made to find the amounts of smoke particles and sulphur dioxide present in the air.

Regarding smoke the highest monthly average was 211 in January, the lowest was 36 in July, these figures are expressed in micrograms per cubic metre of air. For sulphur dioxide the corresponding figures were 159 in January and 42 in July.

The figures as plotted on the graph show how pollution is related to the seasons. When one considers that industry is more or less working constantly throughout the year then the source of pollution would appear to be domestic in origin.

ATMOSPHERIC POLLUTION, 1971

| Month     | Smoke                      |                       |                      | Sulphur Dioxide            |                       |                      |
|-----------|----------------------------|-----------------------|----------------------|----------------------------|-----------------------|----------------------|
|           | Micrograms per cubic metre |                       |                      | Micrograms per cubic metre |                       |                      |
|           | Monthly Average            | Highest Daily Average | Lowest Daily Average | Monthly Average            | Highest Daily Average | Lowest Daily Average |
| January   | 211                        | 392                   | 86                   | 159                        | 270                   | 63                   |
| February  | 135                        | 267                   | 23                   | 114                        | 239                   | 33                   |
| March     | 58                         | 293                   | 21                   | 84                         | 244                   | 17                   |
| April     | 91                         | 203                   | 46                   | 87                         | 175                   | 40                   |
| May       | 62                         | 206                   | 20                   | 73                         | 243                   | 24                   |
| June      | 51                         | 111                   | 15                   | 57                         | 173                   | 19                   |
| July      | 36                         | 98                    | 4                    | 42                         | 102                   | 7                    |
| August    | 44                         | 68                    | 11                   | 52                         | 94                    | 19                   |
| September | 72                         | 180                   | 30                   | 73                         | 280                   | 39                   |
| October   | 134                        | 406                   | 36                   | 84                         | 195                   | 34                   |
| November  | 125                        | 214                   | 31                   | 104                        | 285                   | 30                   |
| December  | 158                        | 706                   | 52                   | 112                        | 285                   | 42                   |



TABLE INDICATING THE NUMBER AND TYPE OF INSPECTIONS - 1971

HOUSING

|                             |     |     |     |     |     |     |     |       |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-------|
| Individual Unfit Properties | ... | ... | ... | ... | ... | ... | ... | 165   |
| Defects                     | ... | ... | ... | ... | ... | ... | ... | 468   |
| Improvement Grants          | ... | ... | ... | ... | ... | ... | ... | 1,067 |
| Slum Clearance              | ... | ... | ... | ... | ... | ... | ... | 334   |
| Overcrowding                | ... | ... | ... | ... | ... | ... | ... | 18    |
| Regulated Tenancies         | ... | ... | ... | ... | ... | ... | ... | 295   |
| Houses in Multi Occupation  | ... | ... | ... | ... | ... | ... | ... | 6     |
|                             |     |     |     |     |     |     |     | <hr/> |
|                             |     |     |     |     |     |     |     | 2,353 |

PUBLIC HEALTH

|   |     |     |     |     |     |     |     |       |
|---|-----|-----|-----|-----|-----|-----|-----|-------|
| Defects                                   | ... | ... | ... | ... | ... | ... | ... | 393   |
| Drainage                                  | ... | ... | ... | ... | ... | ... | ... | 251   |
| Watercourses                              | ... | ... | ... | ... | ... | ... | ... | 107   |
| Sanitary Conveniences                     | ... | ... | ... | ... | ... | ... | ... | 3     |
| Infectious Disease (including Fumigation) | ... | ... | ... | ... | ... | ... | ... | 138   |
| Nuisances                                 | ... | ... | ... | ... | ... | ... | ... | 70    |
| Clean Air Act                             | ... | ... | ... | ... | ... | ... | ... | 152   |
| Smoke Nuisances                           | ... | ... | ... | ... | ... | ... | ... | 81    |
| Smoke Control                             | ... | ... | ... | ... | ... | ... | ... | 148   |
| Accumulations                             | ... | ... | ... | ... | ... | ... | ... | 219   |
| Tents, Vans and Sheds                     | ... | ... | ... | ... | ... | ... | ... | 81    |
| Keeping of Animals                        | ... | ... | ... | ... | ... | ... | ... | 66    |
| Disinfestation and Rodent Control         | ... | ... | ... | ... | ... | ... | ... | 1,742 |
| Civic Amenities Act                       | ... | ... | ... | ... | ... | ... | ... | 92    |
| Noise Abatement                           | ... | ... | ... | ... | ... | ... | ... | 28    |
| Burial of the Dead                        | ... | ... | ... | ... | ... | ... | ... | 35    |
|   |     |     |     |     |     |     |     | <hr/> |
|   |     |     |     |     |     |     |     | 3,606 |

FOOD AND DRUGS

|                    |     |     |     |     |     |     |     |     |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
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In conclusion, I would like to thank the Chairman and Members of the Health Committee for their interest and support during the year. Tribute must be made to all members of the staff for their high efficiency and sense of duty. Once again, I am indebted to the Officers of all Departments of the Council who have co-operated so willingly during the year.

... Yours faithfully,

R.W. THIRKELL

Chief Public Health Inspector

Graph to show Air Pollution for 1971

Microgrammes per cubic metre

$\mu\text{g}/\text{M}^3$









